## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"20003204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/18 11:45
L2	3	"2003204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/18 11:46
L3	2	"20030204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/18 11:46
S1	2	(measur\$4 sens\$5 detect\$5 calculat\$5)adj5 frequenc\$4 and ring near5 oscillat\$4 and chip and temperature and process adj speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:41
S2	44	(measur\$4 sens\$5 detect\$5 calculat\$5)same frequenc\$4 same ring near5 oscillat\$4 and chip and temperature and process\$5 adj speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:33
S3	91	(measur\$4 sens\$5 detect\$5 calculat\$5)same frequenc\$4 same ring near5 oscillat\$4 and chip and temperature and process\$5 adj5 speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 15:44
S4	18	(measur\$4 sens\$5 detect\$5 calculat\$5)same frequenc\$4 same ring near5 oscillat\$4 and silicon near5 chip and temperature and process\$5 adj5 speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 15:55
S5	1	"20030229662" and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same frequenc\$4 same ring near5 oscillat\$4 and silicon near5 chip and temperature and process\$5 adj5 speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 15:59

S6	1	"20030229662" and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same frequenc\$4 same ring near5 oscillat\$4 and silicon near5 chip and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:40
S7	18	measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc \$4 temperatur\$4) same ring near5 oscillat\$4 and silicon near5 chip and temperature and process\$5 adj5 speed and ratio\$2 and clock \$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:41
S8	60	measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc \$4 temperatur\$4) same ring near5 oscillat\$4 and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:45
S9	6	"327"/\$.ccls. and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc\$4 temperatur\$4) same ring near5 oscillat\$4 and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:45
S10	0	"709"/\$.ccls. and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc\$4 temperatur\$4) same ring near5 oscillat\$4 and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:46
S11	1	"702"/\$.ccls. and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc\$4 temperatur\$4) same ring near5 oscillat\$4 and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:46
S12	0	"73"/\$.ccls. and measur\$5 and (measur\$4 sens\$5 detect\$5 calculat\$5)same(frequenc\$4 temperatur\$4) same ring near5 oscillat\$4 and temperature and process\$5 adj5 speed and ratio\$2 and clock\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/11 16:46
S13	1	"20030204354"	US-PGPUB; USPAT	OR	OFF	2005/11/16 13:53
S14	1	"20030204354" and (speed temperature)	US-PGPUB; USPAT	OR	OFF	2005/11/16 13:53
S15	5	(measur\$4 sens\$5 detect\$5 calculat\$5)near5 frequenc\$4 and ring near5 oscillat\$4 and chip and temperature and process adj speed	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/16 14:33

S16	2	"20050114056"	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2006/03/09 20:42
S17	3	"2003204354"	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:43
S18	0	"20032043540"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:43
S19	3	"2003204354"\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:44
S20	4	"2003022962"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:45
S21	0	"2003/022962"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:45
S22	4	"2003022962"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:46
S23	197	luick.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:46
S24	51	luick.in.	US-PGPUB	OR	ON	2006/03/09 20:46
S25	4	"2003022962"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/18 14:41
S26	0	"2003/022962"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/18 14:41

S27	1	10/750342	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/18 15:44
S28	0	("2003/0229662").URPN.	USPAT	OR	OFF	2007/01/18 16:16
S29	130	ring adj oscillator and calculat\$5 with temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/18 16:28
S30	23	S29 and function with frequenc\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/18 16:29
S31	3	"6764215"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:18
S32	0	("2003/0229662").URPN.	USPAT	OR	OFF	2007/07/31 15:32
S33	856	ring near5 oscillat\$4 same frequenc \$4 same (temperatur\$4 hot heat cool thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:34
S34	63	ring near5 oscillat\$4 same frequenc \$4 same (temperatur\$4 hot heat cool thermal) near4 (calculat\$4 determin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:38
S35	52	ring near5 oscillat\$4 same frequenc \$4 with (temperatur\$4 hot heat cool thermal) near4 (calculat\$4 determin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:38
S36	39	ring near5 oscillat\$4 with frequenc \$4 with (temperatur\$4 hot heat cool thermal) near4 (calculat\$4 determin\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 15:39
S37	7	"6930949"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:13

S38	3	"2003204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:41
S39	0	"2003/204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:42
S40	3	"2003204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:44
S41	3	"2003204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:44
S42	2	"20030204354"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:44
S43	1	"20030204354" and ring and oscill \$5 and frequenc\$4 and temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/29 11:46
S44	12630	ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:22
S45	1504	(Measure measured measuring sensing sensor sensed detect detector detecting determine determined determining) near3 (frequency frequencies) same S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:23
S46	777	(Measure measured measuring sensing sensor sensed detect detector detecting determine determined determining) near3 (frequency frequencies) same S44 same multipl\$4 near4 (frequency frequencies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:24

S47	7	(Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determining) near3 (frequency frequencies) same S44 same multipl\$4 near4 (frequency frequencies) same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:24
S48	7	(Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determining) near3 (frequency frequencies) same S44 same multipl\$4 near4 (frequency frequencies) same (temperature hot heat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:25
S49	0	"718"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined determined; (frequency frequencies) same S44 same multipl\$4 near4 (frequency frequencies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:26
S50	32	"718"/106,107.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined (frequency frequencies)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:27
S51	1	"718"/106,107.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined determined same ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:28
S52	0	"709"/106,107.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined determined (frequency frequencies) same ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:28
S53	59	"702"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determining ) near3 (frequency frequencies) same ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:28

S54	128	"324"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined determineds (frequency frequencies) same ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:29
S55	0	"324"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined same ring near3 oscillator same multiply	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:29
S56	23	"324"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined determined) near3 (frequency frequencies) same ring near3 oscillator same multipl\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:29
S57	13	"702"/\$.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determined (frequency frequencies) same ring near3 oscillator same multipl\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:29
S58	12	"702"/58,75,81,106,132.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determining) near3 (frequency frequencies) same ring near3 oscillator same multipl\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:32
S59	21	"327"/141,156,162.ccls. and (Measure measured measuring sensing sensor sensed detect detected detector detecting determine determined determining) near3 (frequency frequencies) same ring near3 oscillator same multipl\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:33
S60	10	"702"/75.ccls. and ring near3 oscillator .clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:36
S61	6	"6442704"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/06 11:53

S62	12251	ring near3 oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 15:30
S63	830	ring near3 oscillator same frequenc \$4 with multipl\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 15:31
S64	38	ring near3 oscillator same frequenc \$4 with multipl\$4 same (temperature heat hot overheat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 15:31
S65	33	ring near3 oscillator same frequenc \$4 with multipl\$4 same (temperature heat hot overheat) and function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 15:31
S66	138875	("20020075163"   "20020181543"   "20030204354"   "20030229662"   "20040003194"   "4453834"   "5385865"   "5498977"   "5568083"   "5795068"   "6025745"   "6067508"   "6175928"   "6442704"   "6445238"   "6504408"   "6556157"   "6564335"   "6815782"   "6819157"   "6830949"   "6934652"   "7165183")".PN"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:15
S67	0	S66 and ring near3 oscillator same frequenc\$4 with multipl\$4 same (temperature heat hot overheat) and function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:16
S68	3	ring near3 oscillator same frequenc \$4 with multipl\$4 same (temperature heat hot overheat) same function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:17
S69	42	("5956289").URPN.	USPAT	OR	ON	2009/05/21 16:19
S70	0	S69 and ring near3 oscillator same frequenc\$4 with multipl\$4 same (temperature heat hot overheat) same function	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:19

S71	2	S69 and ring near3 oscillator same frequenc\$4 with multipl\$4 same (temperature heat hot overheat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:19
S72	4	"6876236"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 16:22
S73	1	S66 and ring near3 oscillator same frequenc\$4 with multipl\$4 same (temperature heat hot overheat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 17:18
S74	15	jagrut near2 patel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 17:18
S75	5	Martin near2 Choe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 17:19
S76	4	Ziad near2 Mansour	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/21 17:20
S77	19	("20020075163"   "20030141910"   "3260116"   "4079338"   "4227185"   "4448549"   "4549818"   "4658407"   "4872765"   "5343869"   "5418499"   "5844862"   "5919141"   "5956289"   "6470200"   "6650190"   "6948388"   "H001744").PN. OR ("7215212").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/21 17:25

## **EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	346	702/75.OCLS.	USPAT; UPAD	OR	OFF	2010/01/18 11:57
L5	113	702/75.CCLS. AND OSCILLATOR	USPAT; UPAD	OR	OFF	2010/01/18 11:58

## 1/18/2010 11:58:39 AM

 $\textbf{C:} \ \textbf{Documents and Settings} \ \textbf{abhat} \ \textbf{My Documents} \ \textbf{EAST} \ \textbf{Workspaces} \ \textbf{10750342.wsp}$